

DERWENT-ACC-NO: 1998-217995  
DERWENT-WEEK: 200137  
COPYRIGHT 1999 DERWENT INFORMATION LTD

TITLE: Tablets containing 1-O--a-D-glucopyranosyl-D-sorbitol  
- and optionally  
other glucosyl-sugar alcohol, preferably chewable or suckable  
tablet, useful as  
sweetener with enhanced solubility

INVENTOR: RAPP, K M; WILLIBALD-ETTLE, I

PATENT-ASSIGNEE: SUEDZUCKER AG MANNHEIM/OCHSENFURT[SUEDN],  
SUEDZUCKER  
AG[SUEDN]

PRIORITY-DATA: 1996DE-1039343 (September 25, 1996)

PATENT-FAMILY:

| PUB-NO        | MAIN-IPC     | PUB-DATE           | LANGUAGE |
|---------------|--------------|--------------------|----------|
| PAGES         |              |                    |          |
| MX 9902801    | A1           | August 1, 2000     | N/A      |
| 000           | A23L 001/236 |                    |          |
| DE 19639343   | A1           | April 2, 1998      | N/A      |
| 005           | A61K 009/20  |                    |          |
| WO 9812936    | A1           | April 2, 1998      | G        |
| 000           | A61K 009/20  |                    |          |
| AU 9742983    | A            | April 17, 1998     | N/A      |
| 000           | A23L 001/236 |                    |          |
| DE 19639343   | C2           | October 8, 1998    | N/A      |
| 000           | A61K 009/20  |                    |          |
| EP 929234     | A1           | July 21, 1999      | G        |
| 000           | A23L 001/236 |                    |          |
| NZ 335316     | A            | September 29, 1999 | N/A      |
| 000           | A23L 001/236 |                    |          |
| AU 717512     | B            | March 30, 2000     | N/A      |
| 000           | A23L 001/236 |                    |          |
| BR 9713220    | A            | April 4, 2000      | N/A      |
| 000           | A23L 001/236 |                    |          |
| US 6224904    | B1           | May 1, 2001        | N/A      |
| 000           | A61K 009/20  |                    |          |
| JP 2001504687 |              | April 10, 2001     | N/A      |
| 013           | A23L 001/236 |                    |          |
| W             |              |                    |          |

DESIGNATED-STATES: AU BR CA IL JP MX NZ RU US AT BE CH DE DK  
 ES FI FR GB GR IE I  
 T LU MC NL PT SE AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC  
 NL PT SE

APPLICATION-DATA:

| PUB-NO             | APPL-DESCRIPTOR | APPL-NO        |
|--------------------|-----------------|----------------|
| APPL-DATE          |                 |                |
| MX 9902801A1       | N/A             | 1999MX-0002801 |
| March 24, 1999     |                 |                |
| DE 19639343A1      | N/A             | 1996DE-1039343 |
| September 25, 1996 |                 |                |
| WO 9812936A1       | N/A             | 1997WO-EP04346 |
| August 9, 1997     |                 |                |
| AU 9742983A        | N/A             | 1997AU-0042983 |
| August 9, 1997     |                 |                |
| AU 9742983A        | Based on        | WO 9812936     |
| N/A                |                 |                |
| DE 19639343C2      | N/A             | 1996DE-1039343 |
| September 25, 1996 |                 |                |
| EP 929234A1        | N/A             | 1997EP-0918971 |
| August 9, 1997     |                 |                |
| EP 929234A1        | N/A             | 1997WO-EP04346 |
| August 9, 1997     |                 |                |
| EP 929234A1        | Based on        | WO 9812936     |
| N/A                |                 |                |
| NZ 335316A         | N/A             | 1997NZ-0335316 |
| August 9, 1997     |                 |                |
| NZ 335316A         | N/A             | 1997WO-EP04346 |
| August 9, 1997     |                 |                |
| NZ 335316A         | Based on        | WO 9812936     |
| N/A                |                 |                |
| AU 717512B         | N/A             | 1997AU-0042983 |
| August 9, 1997     |                 |                |
| AU 717512B         | Previous Publ.  | AU 9742983     |
| N/A                |                 |                |
| AU 717512B         | Based on        | WO 9812936     |
| N/A                |                 |                |
| BR 9713220A        | N/A             | 1997BR-0013220 |
| August 9, 1997     |                 |                |
| BR 9713220A        | N/A             | 1997WO-EP04346 |
| August 9, 1997     |                 |                |
| BR 9713220A        | Based on        | WO 9812936     |
| N/A                |                 |                |
| US 6224904B1       | N/A             | 1997WO-EP04346 |
| August 9, 1997     |                 |                |
| US 6224904B1       | N/A             | 1999US-0147903 |
| May 27, 1999       |                 |                |

|                |          |                |
|----------------|----------|----------------|
| US 6224904B1   | Based on | WO 9812936     |
| N/A            |          |                |
| JP2001504687W  | N/A      | 1997WO-EP04346 |
| August 9, 1997 |          |                |
| JP2001504687W  | N/A      | 1998JP-0515183 |
| August 9, 1997 |          |                |
| JP2001504687W  | Based on | WO 9812936     |
| N/A            |          |                |

INT-CL (IPC): A23L001/236; A61K009/20 ; A61K047/26 ;  
C07H015/04

ABSTRACTED-PUB-NO: DE 19639343A

BASIC-ABSTRACT: Compressed formulation (F) contains (A) 1-O-  
alpha  
-D-glucopyranosyl-D-sor- bitol (1,1-GPS).

Also claimed is (F) containing a sweetening mixture (B) of  
6-O- alpha  
-D-glucopyranosyl-D-sorbitol (1,6-GPS), 1,1-GPS and 1-O-  
alpha  
-D-glucopyranosyl-D-mannitol (1,1-GPM).

USE - (F) contains additional mono- or di-saccharides (or  
their alcohols),  
starch or cellulose (or their derivatives) or inulin; intense  
sweetener  
(preferably acesulfame K, thaumatin, glycyrrhizin, saccharin  
or cyclamate),  
aroma (preferably fruit or peppermint aroma), colour, or  
disintegration agent  
(preferably bicarbonate or carboxymethyl cellulose); and/or a  
pharmaceutical,  
(preferably an enzyme, coenzyme, antibiotic, microbicide,  
fungicide, nicotine,  
caffeine, menthol or eucalyptus). (A) and (B) are used as  
powders to improve  
compression (tableting) properties, and the products are  
suckable or chewable  
tablets (all claimed).

ADVANTAGE - The formulation has improved sweetener,  
solubility and condensate  
properties compared to other similar formulations.

ABSTRACTED-PUB-NO: US 6224904B

EQUIVALENT-ABSTRACTS: Compressed formulation (F) contains (A)  
1-O- alpha

-D-glucopyranosyl-D-sor- bitol (1,1-GPS).

Also claimed is (F) containing a sweetening mixture (B) of  
6-O- alpha

-D-glucopyranosyl-D-sorbitol (1,6-GPS), 1,1-GPS and 1-O-  
alpha

-D-glucopyranosyl-D-mannitol (1,1-GPM).

USE - (F) contains additional mono- or di-saccharides (or  
their alcohols),  
starch or cellulose (or their derivatives) or inulin; intense  
sweetener

(preferably acesulfame K, thaumatin, glycyrrhizin, saccharin  
or cyclamate),

aroma (preferably fruit or peppermint aroma), colour, or  
disintegration agent

(preferably bicarbonate or carboxymethyl cellulose); and/or a  
pharmaceutical,

(preferably an enzyme, coenzyme, antibiotic, microbicide,  
fungicide, nicotine,

caffeine, menthol or eucalyptus). (A) and (B) are used as  
powders to improve

compression (tableting) properties, and the products are  
suckable or chewable

tablets (all claimed).

ADVANTAGE - The formulation has improved sweetener,  
solubility and condensate  
properties compared to other similar formulations.

CHOSEN-DRAWING: Dwg.0/1

TITLE-TERMS:

TABLET CONTAIN GLUCOPYRANOSYL SORBITOL OPTION GLUCOSYL SUGAR

ALCOHOL PREFER

CHEW TABLET USEFUL SWEET ENHANCE SOLUBLE

DERWENT-CLASS: B03 D13 E13

CPI-CODES: B07-A02B; D03-H01A; E07-A02H;

CHEMICAL-CODES:

Chemical Indexing M1 \*01\*

Fragmentation Code

M421 M423 M430 M431 M782 M903 P200 P241 Q220 Q222

R038 V000 V001 V400 V406 V711 V712 V713 V714 V723

V772 V794 V801 V802 V810